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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/857,474

09/10/2001

Harald Schopp

West.6189

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EXAMINER

BUI, KIEU OANH T

ART UNIT

PAPER NUMBER

2623

MAIL DATE

DELIVERY MODE

06/12/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<p align="center"><b>Office Action Summary</b></p>	<b>Application No.</b> 09/857,474	<b>Applicant(s)</b> SCHOPP ET AL.	
	<b>Examiner</b> KIEU-OANH BUI	<b>Art Unit</b> 2623	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 April 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 6-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Remark*

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn (as indicated in Interview summary 1/19/2007 since the examiner misses to address claim 20). The previous final action was treated as a non-final action instead.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 6-20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specifications does not *specifically address and/or describe what a playback transducer is*.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 6-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The specifications does not specifically address and/or describe *what a playback transducer is, and it does not provide any support for the claims*.

*Response to Arguments*

6. Applicant's arguments filed on 04/05/2007 have been fully considered but they are not persuasive.

Applicants basically argue on "the playback transducer" since the examiner interprets "the playback transducer" as either a multimedia PC or electronic devices BECAUSE even the applicants do not clearly address what the playback transducer is. The examiner carefully reads the entire specifications and nowhere describes what item exactly being referred as "the playback transducer", i.e., whether it means for the car radio 12 or user device 15 or amplifier device 14. Each of them can be interpreted "loosely" as "the playback transducer" for their function as receiving video or audio signals from source DVD 13 and play it back. Through out the specifications, only one "a playback transducer" is mentioned on a last line of page 13 (revised specifications dated 1/20/2006), and nowhere else afterward to further address what the playback transducer is. Therefore, applicants' claims are rejected under both 35 USC 112, 1<sup>st</sup> and 2<sup>nd</sup> paragraphs as above, and the examiner respectfully believes not to make any mistake in interpreting the term "playback transducer" as the office action previously stated.

Therefore, the examiner respectfully disagree with the applicants' arguments and stands with the teaching and disclosure of Edens, not only to the cited paragraphs from the examiner but also to the entire reference of Edens, whether there is a suggestion, teaching, and/or inherently teaching to read/interpret on the claims according to one ordinary skill in the art.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

*(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.*

8. Claims 6-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Edens et al. (U.S. Patent No. 6,611,537 B1).

Regarding claims 6 and 20, Edens discloses an optical ring network for use in homes, motor vehicle and other environments (Fig. 1, and col. 13/lines 24-40) comprises an optical data line configured in a ring network (as illustrated in Fig. 1/item 120 for a ring network and/or Fig. 7 for a clearer ring topology, and col. 13/lines 40-55 with optical fiber cable is used, refer to col. 15/lines 52-60), and provides compressed data onto the optical data line (col. 13/lines 55-65 as MPEG2 stream is compressed and delivered to the logical ring network 120); and at least one data sink connected to the optical data line and comprises a transducer, i.e., a playback transducer (CD/DVD player or multimedia PC of Fig. 1), at least one data source (satellite received at DSS tuner and FM broadcasting received at FM tuner of Fig. 1), and that for receiving the compressed signal and the data sink includes a bit stream decoder to decompress the received compressed data and provide it to the playback transducer (for playing) (refer to Fig. 1, and col. 14/lines 7-23 for MPEG decoder 151, 161 for decoding the compressed data to display on the television).

In addition, Edens further teaches “wherein the at least one data sink includes a control unit that selectively adapts the decompression of the received compressed data by the bit stream decoder based upon the compression format of the received compressed data, where the format of the received compressed data may be one of a plurality of compressed formats”, i.e., a multimedia PC 170 can be functioned as a controller in controlling devices to adapt to transmit and receive digital media to/and from other network devices according to formats, types, or protocols (col. 14/lines 8-51 & col. 15/line 60 to col. 16/line 11), and even different compressed formats, refer to col. 34/lines 1-15 for compressed MPEG1 and compressed MPEG2 and so on, and more details on MPEG1 and MPEG2, see col. 102/line 56 to col. 104/line 18. It is clear that more than one compressed format is used in addition to other formats such as serial data, TCP/IP packets for real-time continuous data streams.

Edens does suggest the playback transducer or playback devices connected to the optical data line and the decompression step thereof to the playback transducer via the optical data line (col. 15/lines 51-60). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Eden’s ring network with an optical data line connected to multimedia PC or electronics devices in order to support high speed signal propagation or high bandwidth to any transmission media as taught by Edens.

As for claims 7 and 8, Edens further discloses wherein the bit stream decoder decompresses video and audio data (col. 14/lines 7-23 for MPEG2 for audio/sound decoding with AC-3 surround sound decoder and video decoding to view and listen MPEG movies).

As for claim 9, Edens discloses wherein the playback transducer includes at least one loudspeaker (speakers 153, 154, 156, 157, 158 for Fig. 1, col. 14/lines 7-23).

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As for claim 10, Edens further discloses wherein the playback transducer includes a video display (LCD display screen is addressed, refer to col. 14/lines 7-23 again).

As for claim 11, Edens further teaches wherein the bit stream decoder includes an MPEG decoder, JPEG decoder and an AC decoder (col. 14/lines 7-23 for MPEG and AC-3 decoders and a JPEG decoder is also suggested to include as computer graphics images can be viewed on the LCD screen).

As for claim 12, Edens further discloses wherein the at least one data source includes a radio tuner (Fig. 1/item 130 for a FM radio tuner).

As for claim 13, Edens further discloses to include a second data source that includes a DVD player connected to the logical ring network to provide compressed data onto the optical data line (Fig. 1/item 180 for a DVD is connected to ring network 120).

As for claim 14, Edens teaches this limitation as DSP 152 is configured to control the selectively configuration as one of decoders MPEG, JPEG and/or AC-3 accordingly (col. 14/lines 7-40).

Regarding claim 15, Edens' reference reads on this claim, refer to claims 6-8, and 12-13 above, not limited to the cited paragraphs above but also to the entire disclosure of Edens' reference. In addition, Edens further teaches "wherein the at least one data sink includes a control unit that selectively adapts the decompression of the received compressed data by the bit stream decoder based upon the compression format of the received compressed data, where the format of the received compressed data may be one of a plurality of compressed formats", i.e., a multimedia PC 170 can be functioned as a controller in controlling devices to adapt to transmit and receive digital media to/and from other network devices according to formats, types, or

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protocols (col. 14/lines 8-51 & col. 15/line 60 to col. 16/line 11), and even different compressed formats, refer to col. 34/lines 1-15 for compressed MPEG1 and compressed MPEG2 and so on, and more details on MPEG1 and MPEG2, see col. 102/line 56 to col. 104/line 18. It is clear that more than one compressed format is used in addition to other formats such as serial data, TCP/IP packets for real-time continuous data streams.

As for claims 16-19, Edens discloses these features, refer to claims 11-14 as disclosed above.

### ***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.



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10. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

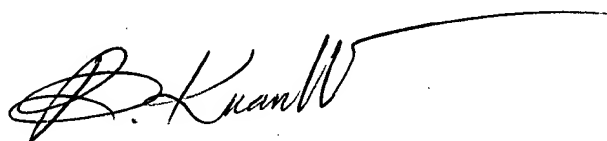
**or faxed to PTO New Central Fax number:**

(571) 273-8300, (for Technology Center 2600 only)

*Hand deliveries must be made to Customer Service Window,  
Randolph Building, 401 Dulany Street, Alexandria, VA 22314.*

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krista Kieu-Oanh Bui whose telephone number is (571) 272-7291. The examiner can normally be reached on Monday-Friday from 9:30 AM to 7:00 PM.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kieu-Oanh Bui  
Primary Examiner  
Art Unit 2623

KB  
May 25, 2007